Amendments to the Specification:

Please replace the first paragraph, line 6, page 1 with the following amended paragraph:

The present invention describes an alternative and extended means of monitoring certain time related aspects of quality of service to co-pending patent application ~~09/551598~~ 09/551498 filed on 18th April 2000.

Please replace the fourth paragraph, line 15, page 7, with the following amended paragraph:

Impairment Measurement functions (20), (21), (22) are connected to an Instantaneous Voice Quality R_i function (23) and measure the value of transmission system impairments during a time interval. In the preferred embodiment Impairment Measurement function [[(20)]] (21) measures end to end transmission delay, Impairment Measurement function [[(21)]] (22) measures packet loss percentage and Impairment Measurement function [[(22)]] (20) measures the quality of the base voice coding algorithm.

Please replace the table, line 8, page 8, with the following amended table:

R	Subjective voice quality
90 - 100	Very satisfactory/ excellent
80 - 90	Satis[[t]]factory/ good
70 - 80	Some users dissatisfied/ fair
60 - 70	Many users dissatis[[t]]fied/ poor
50 - 60	Most users dissatisfied
0 - 50	Unacceptable

Please replace the sixth paragraph, line 18, page 11, with the following amended paragraph:

Although the description above contains many ~~specifities~~ specifics these should not be construed as limiting the scope of the invention but as merely providing illustrations of some of the presently preferred embodiments of this invention. For example, the present invention could be used for monitoring the quality of a cellular telephone system, a digital broadcast video system or the user interface on a software application.